

Attorney's Docket No.:	GK-ZEI-3316/500343.20338		
U.S. Application No.:	10/590,985	Confirmation No.	2452
International Application No.:	PCT/EP2005/001799		
International Filing Date:	FEBRUARY 22, 2005	22 FEBRUARY 2005	
Priority Date Claimed:	FEBRUARY 27, 2004	27 FEBRUARY 2004	
Title of Invention:	SYSTEM AND METHOD FOR THE SPECTROSCOPIC DETERMINATION OF THE COMPONENTS AND CONCENTRATIONS OF PUMPABLE ORGANIC COMPOUNDS		
Applicant(s) for (DO/EO/US):	Michael RODE, Helga ANDREE and Diane F. MALLEY		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

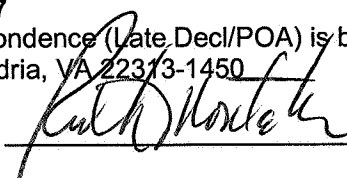
- ☐ 1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
- ☒ 2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
- ☐ 3. This express request to begin national examination procedures [35 U.S.C. 371 (f)]. The submission must include items (5), (6), (9), and (21) indicated below.
- ☐ 4. The US has been elected (Article 31).
- ☐ 5. A copy of **Publication No. WO 2005/083386 09SEP05** ~~the International Application as filed~~ [35 U.S.C. 371(c)(2)]
 - a) ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b) ☐ has been communicated by the international Bureau.
 - c) ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
- ☐ 6. An English language translation of **Publication No. WO 2005/083386 09SEP05** ~~the International Application as filed~~ [35 U.S.C. 371(c)(2)]
 - a) ☐ is attached hereto
 - b) ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
- ☐ 7. Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]
 - a) ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b) ☐ have been communicated by the international Bureau.
 - c) ☐ have not been made; however, the time limit for making such amendments has **NOT** expired.
 - d) ☐ have not been made and will not be made
- ☐ 8. An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)]
- ☒ 9. **An EXECUTED Oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)]**
- ☐ 10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)]

Items 11. to 20. Below concern other document(s) or information included:

- ☐ 11. **An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98**
- ☐ 12. An Assignment document to **Carl Zeiss Jena GmbH** and **Christian-Albrechts- Universitaet Zu Kiel** for recording. A separate cover sheet (PTO-1595) in compliance with 37 CFR 3.28 and 3.31 is included. **TO FOLLOW LATTER**
- ☐ 13. **A preliminary amendment**
- ☐ 14. An Application Data Sheet under 37 CFR 1.76
- ☐ 15. **A substitute specification with abstract (attached to the preliminary amendment)**
- ☐ 16. A change of power of attorney and/or address letter
- ☐ 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
- ☐ 18. A second copy of the published International Application under 35 U.S.C. 154 (d)(4).
- ☐ 19. A second copy of the English language translation of the International Application under 35 U.S.C. 154 (d)(4).
- ☒ 20. (other items or information) **371 Formalities letter dated April 19, 2007**

Electronically filed on **April 24, 2007**

I hereby certify that this correspondence (Late Decl/POA) is being electronically filed on April 24, 2007 with the Patent and Trademark Office in Alexandria, VA 22313-1450



/Ruth Montalvo Date: **04/24/2007**

U.S. Application No. (if known, see 37 C.F.R. 1.50): **10/590,985**International Application No.: **PCT/EP2005/001799**Attorney's Docket No: **GK-ZEI-3316/500343.20338**

The following fees are submitted:					Applicant use	Office use only
<input type="checkbox"/> 21	Basic national fee (37 CFR 1.492(a))			\$ 300.00	\$	
<input type="checkbox"/> 22	Examination fee (37 CFR 1.492(b)) If the written opinion prepared by ISA/US or the International Preliminary Examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Articles 33(1)-(4) \$ 0.00 All other situations..... \$200.00				\$	
<input type="checkbox"/> 23	Search fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the International Preliminary Examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Articles 33(1)-(4) \$ 0.00 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100.00 International Searching Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by IB \$400.00 All other situations..... \$500.00				\$	
TOTAL OF ABOVE CALCULATIONS:					\$	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (b) or computer program listing filed in an electronic medium) 37 CFR 1.492(j)). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.						
Total sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number.		Rate		
- 100 =	/50 =			X \$250.00	\$	
Claims	Number Filed			Number Extra	Rate	
Total Claims:	21		- 20	1	X \$ 50.00	\$
Independent Claims:	1		- 3	0	X \$ 200.00	\$
MULTIPLE DEPENDENT CLAIM(S) (if applicable)					+ \$ 360.00	\$
TOTAL OF ABOVE CALCULATIONS:					\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date [37 CFR 1.492(e)]					+	\$
TOTAL OF ABOVE CALCULATIONS:					\$130.00	
<input type="checkbox"/> Applicant claims Small Entity Status [See 37 CFR 1.27] Reduction by 1/2 for filing by small entity					-	
SUBTOTAL:					\$130.00	
Processing fee of \$130.00 for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date [37 CFR 1.492(f)]					+	
TOTAL NATIONAL FEE:					\$130.00	
Fee for recording the enclosed assignment [37 CFR 1.21(h)] The assignment must be accompanied by an appropriate cover sheet (PTO-1595) [37 CFR 3.28, 3.31]. \$ 40.00 per property					+	\$
TOTAL FEE(S):					\$130.00	
AMOUNT TO BE REFUNDED						\$
AMOUNT TO BE CHARGED						\$

(Please note the filing fee is based on the claims in the Preliminary Amendment)

- a) ☐ Check in the amount of \$.00 to cover the above fees is enclosed.
- b) ☒ Please charge my Deposit Account No 50-1529 in the amount of \$ 130.00 to cover the fee..
- c) ☒ The Commissioner is hereby authorized to charge any additional fees required with this submission or to credit any overpayment to Deposit Account No: 50-1529.)
- d) ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 36 CFR 1.494 or 1.495 has not been met, a petition to revive [37 CFR 1.137(a) or (b)] must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Gerald H. Kiel, Esq.
 Reed Smith LLP (Customer No. 026418)
 599 Lexington Avenue
 New York, NY 10022-7650

Signature:

Attorney:

Reg. No.:

Date:

Gerald H. Kiel**25,116****April 24, 2007**



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/590,985	Michael Rode	GK-ZEI-3316/500343.20338

INTERNATIONAL APPLICATION NO.

PCT/EP05/01799

I.A. FILING DATE	PRIORITY DATE
02/22/2005	02/27/2004

26418
 REED SMITH, LLP
 ATTN: PATENT RECORDS DEPARTMENT
 599 LEXINGTON AVENUE, 29TH FLOOR
 NEW YORK, NY 10022-7650

CONFIRMATION NO. 2452

371 FORMALITIES LETTER



OC000000023448738

Date Mailed: 04/19/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 08/28/2006
- Preliminary Amendments filed on 08/28/2006
- Information Disclosure Statements filed on 08/28/2006
- Oath or Declaration filed on 08/28/2006
- Request for Immediate Examination filed on 08/28/2006
- U.S. Basic National Fees filed on 08/28/2006
- Priority Documents filed on 08/28/2006
- Specification filed on 08/28/2006
- Claims filed on 08/28/2006
- Abstracts filed on 08/28/2006
- Drawings filed on 08/28/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.

To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

DOCKET

Handwritten: DUE May 19, 2007 Elected Decl. due
 Nov. 19, 2007 Deadline

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$130** for a Large Entity:

- **\$130** Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

LAMONT M HUNTER

Telephone: (703) 308-9140 EXT 201

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/590,985	PCT/EP05/01799	GK-ZEI-3316/500343.20338